FIG. 1

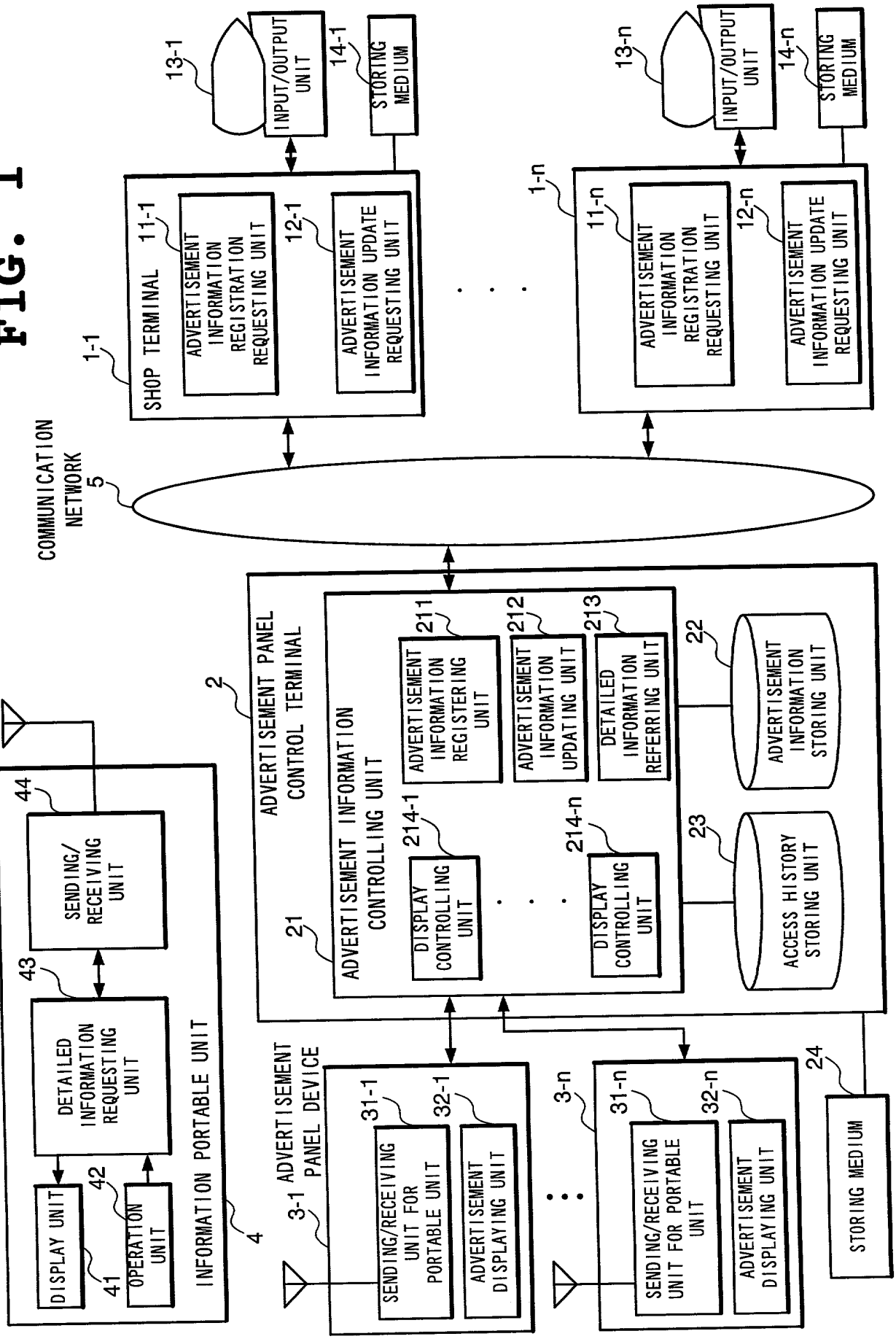
COMMUNICATION NETWORK
5
SHOP TERMINAL
1-1
ADVERTISEMENT INFORMATION REGISTRATION REQUESTING UNIT
11-1
ADVERTISEMENT INFORMATION UPDATE REQUESTING UNIT
12-1
INPUT/OUTPUT UNIT
13-1
STORING MEDIUM
14-1
1-n
11-n
12-n
13-n
14-n
ADVERTISEMENT PANEL CONTROL TERMINAL
2
ADVERTISEMENT INFORMATION CONTROLLING UNIT
21
ADVERTISEMENT INFORMATION REGISTERING UNIT
211
ADVERTISEMENT INFORMATION UPDATING UNIT
212
DETAILED INFORMATION REFERRING UNIT
213
DISPLAY CONTROLLING UNIT
214-1
214-n
ADVERTISEMENT INFORMATION STORING UNIT
22
ACCESS HISTORY STORING UNIT
23
STORING MEDIUM
24
INFORMATION PORTABLE UNIT
4
SENDING/RECEIVING UNIT
44
DETAILED INFORMATION REQUESTING UNIT
43
DISPLAY UNIT
41
OPERATION UNIT
42
ADVERTISEMENT PANEL DEVICE
3-1
3-n
SENDING/RECEIVING UNIT FOR PORTABLE UNIT
31-1
31-n
ADVERTISEMENT DISPLAYING UNIT
32-1
32-n

FIG. 2

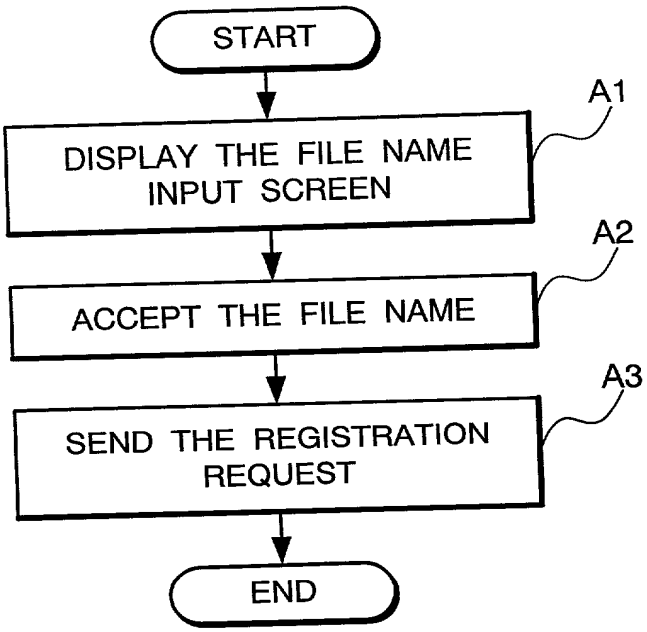
START
A1
DISPLAY THE FILE NAME INPUT SCREEN
A2
ACCEPT THE FILE NAME
A3
SEND THE REGISTRATION REQUEST
END

FIG. 3

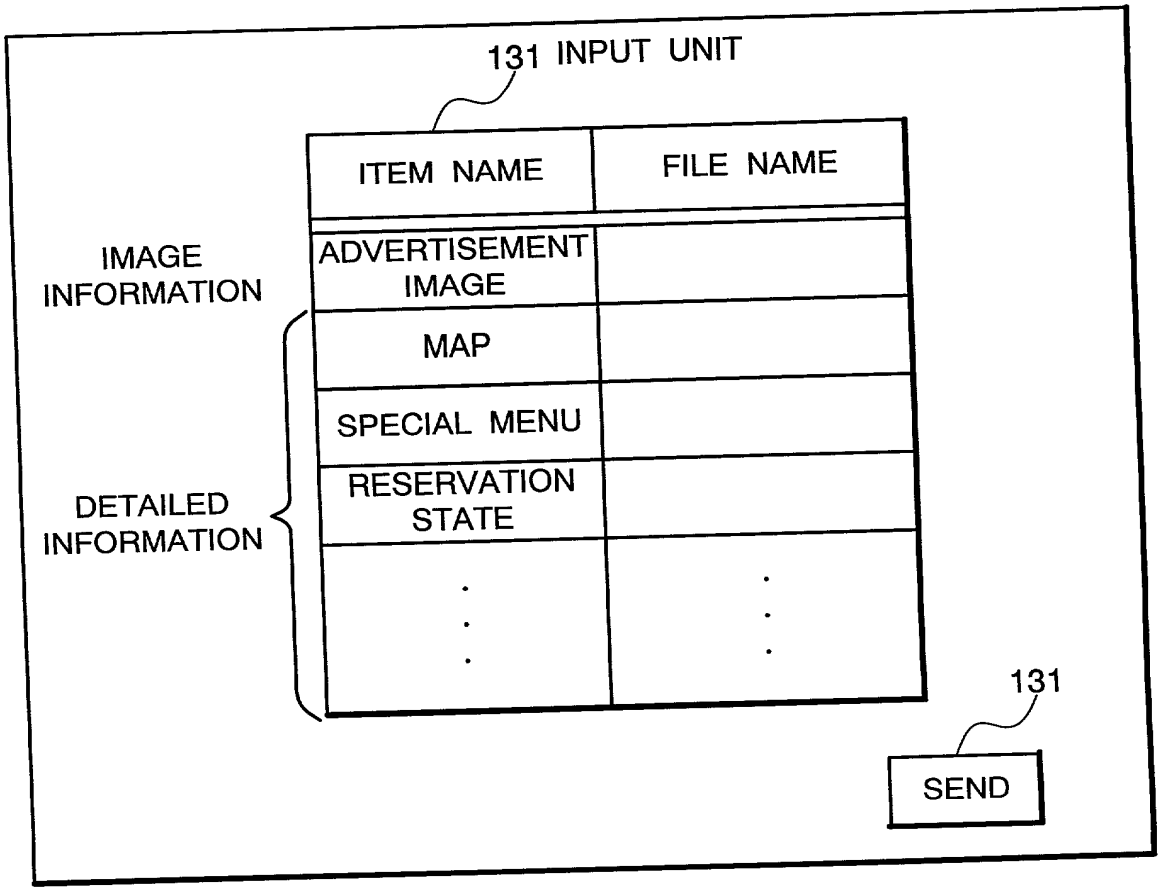
131 INPUT UNIT
ITEM NAME
FILE NAME
IMAGE INFORMATION
ADVERTISEMENT IMAGE
MAP
SPECIAL MENU
DETAILED INFORMATION
RESERVATION STATE
131
SEND

FIG. 4

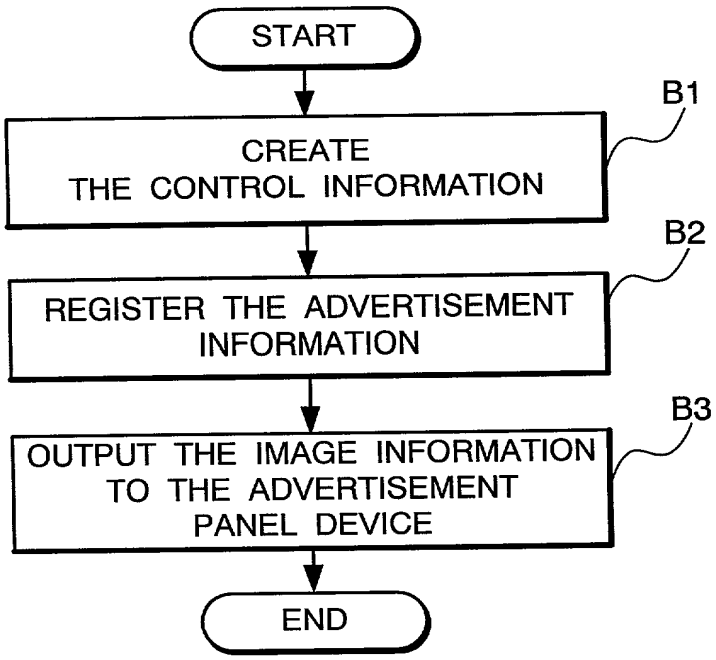
START
B1
CREATE
THE CONTROL INFORMATION
B2
REGISTER THE ADVERTISEMENT
INFORMATION
B3
OUTPUT THE IMAGE INFORMATION
TO THE ADVERTISEMENT
PANEL DEVICE
END

FIG. 5

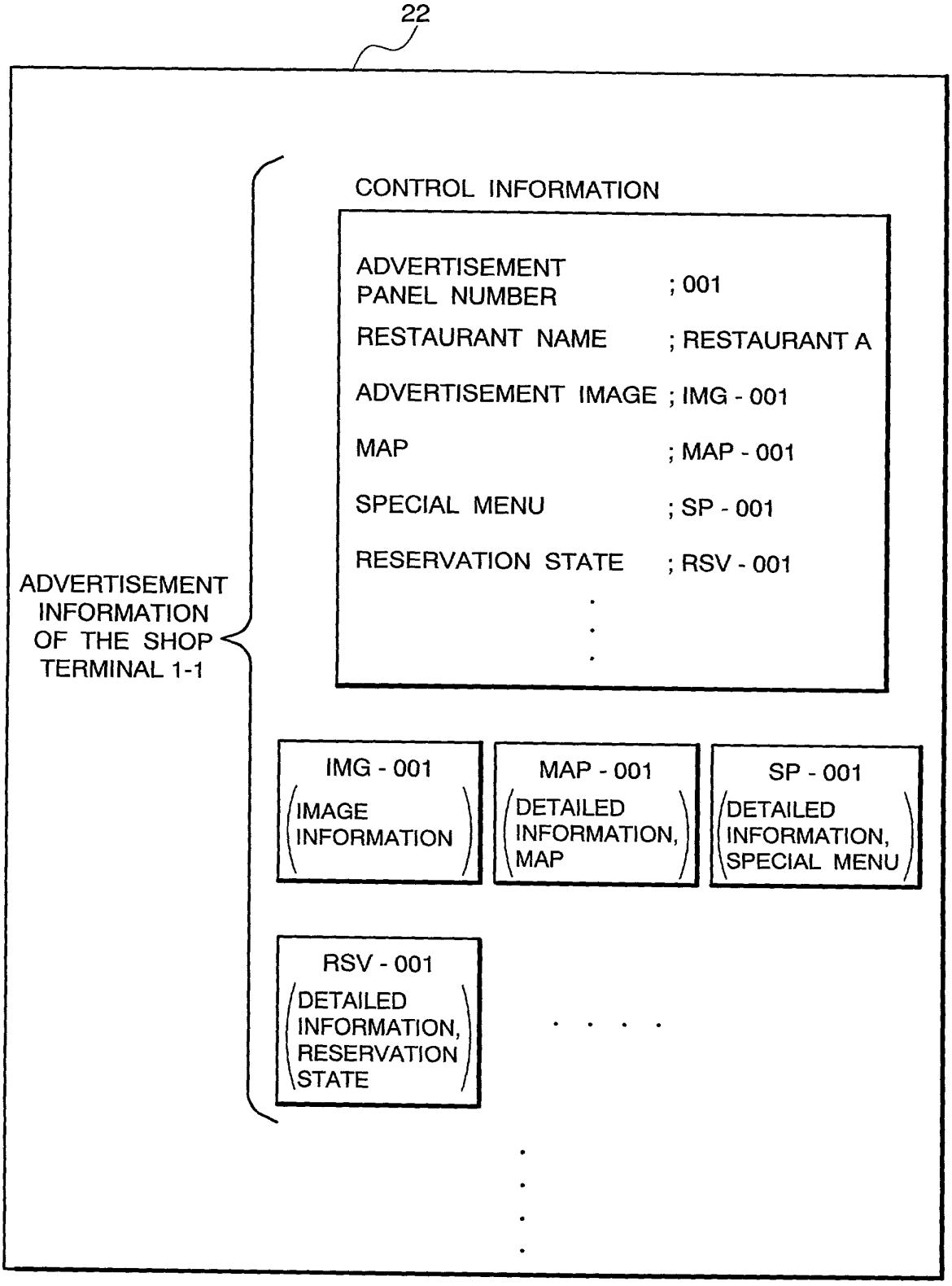
22
ADVERTISEMENT INFORMATION OF THE SHOP TERMINAL 1-1
CONTROL INFORMATION
ADVERTISEMENT PANEL NUMBER ; 001
RESTAURANT NAME ; RESTAURANT A
ADVERTISEMENT IMAGE ; IMG - 001
MAP ; MAP - 001
SPECIAL MENU ; SP - 001
RESERVATION STATE ; RSV - 001
IMG - 001
IMAGE INFORMATION
MAP - 001
DETAILED INFORMATION, MAP
SP - 001
DETAILED INFORMATION, SPECIAL MENU
RSV - 001
DETAILED INFORMATION, RESERVATION STATE

FIG. 6

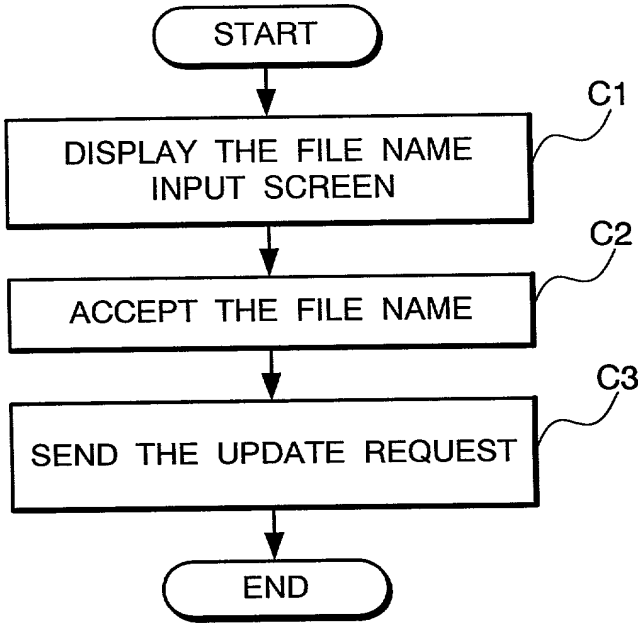
START
DISPLAY THE FILE NAME INPUT SCREEN
C1
ACCEPT THE FILE NAME
C2
SEND THE UPDATE REQUEST
C3
END

FIG. 7

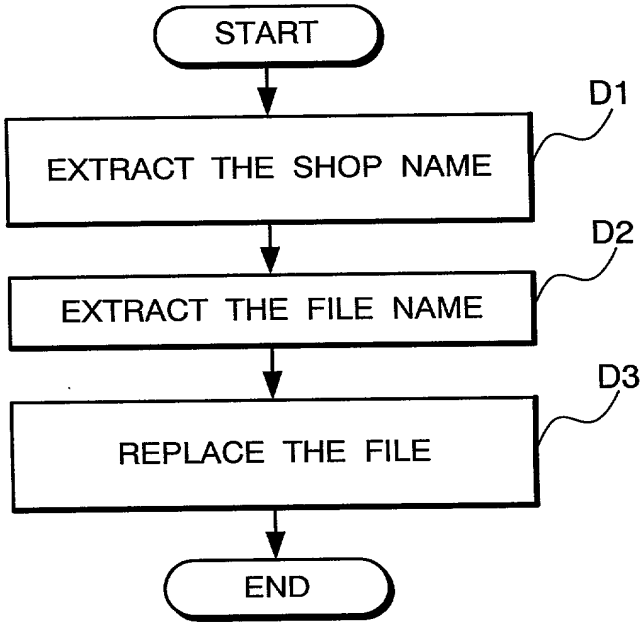
START
EXTRACT THE SHOP NAME
D1
EXTRACT THE FILE NAME
D2
REPLACE THE FILE
D3
END

FIG. 8

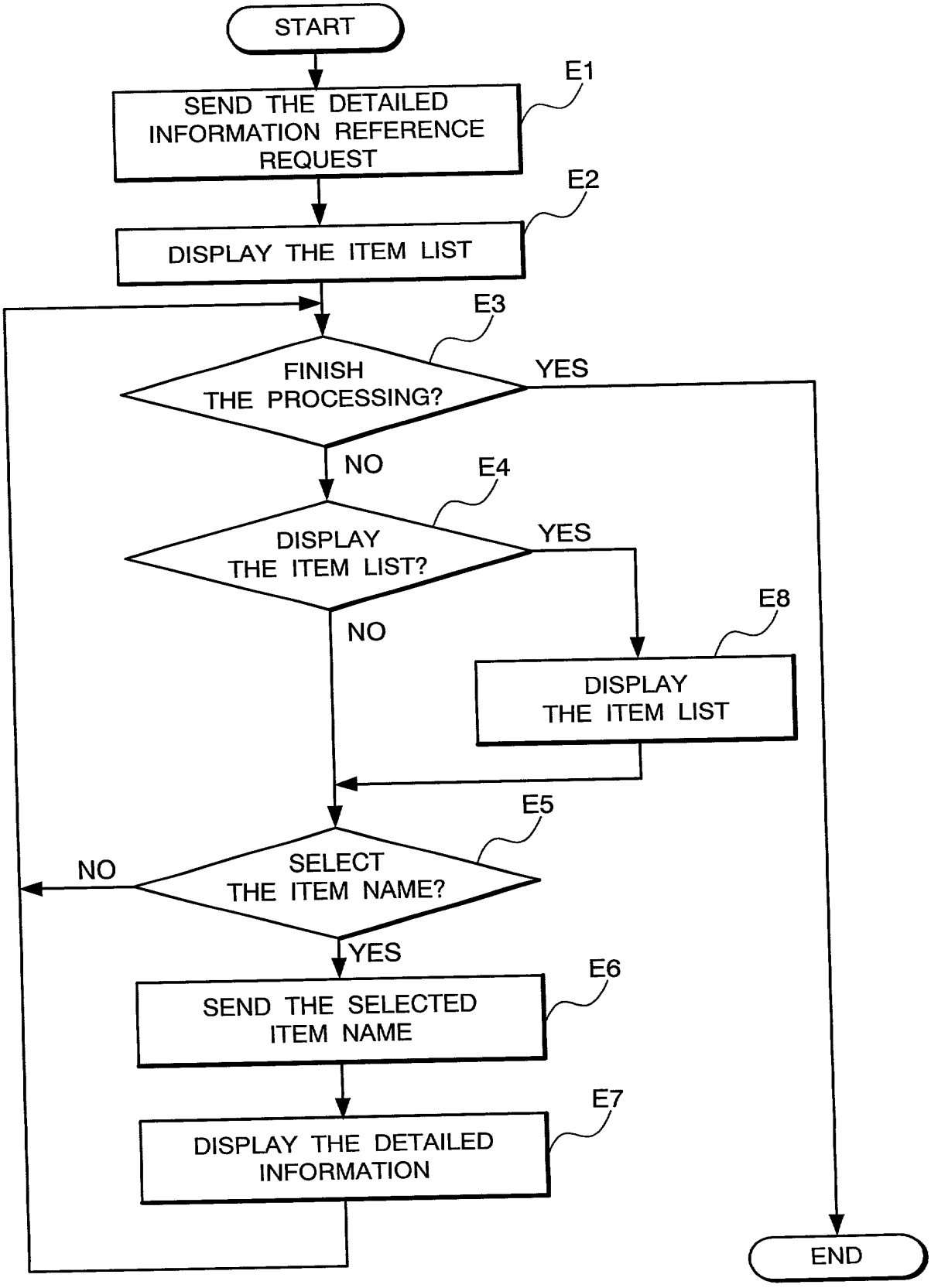
START
SEND THE DETAILED INFORMATION REFERENCE REQUEST
E1
DISPLAY THE ITEM LIST
E2
FINISH THE PROCESSING?
E3
YES
NO
DISPLAY THE ITEM LIST?
E4
YES
NO
DISPLAY THE ITEM LIST
E8
SELECT THE ITEM NAME?
E5
NO
YES
SEND THE SELECTED ITEM NAME
E6
DISPLAY THE DETAILED INFORMATION
E7
END

FIG. 9

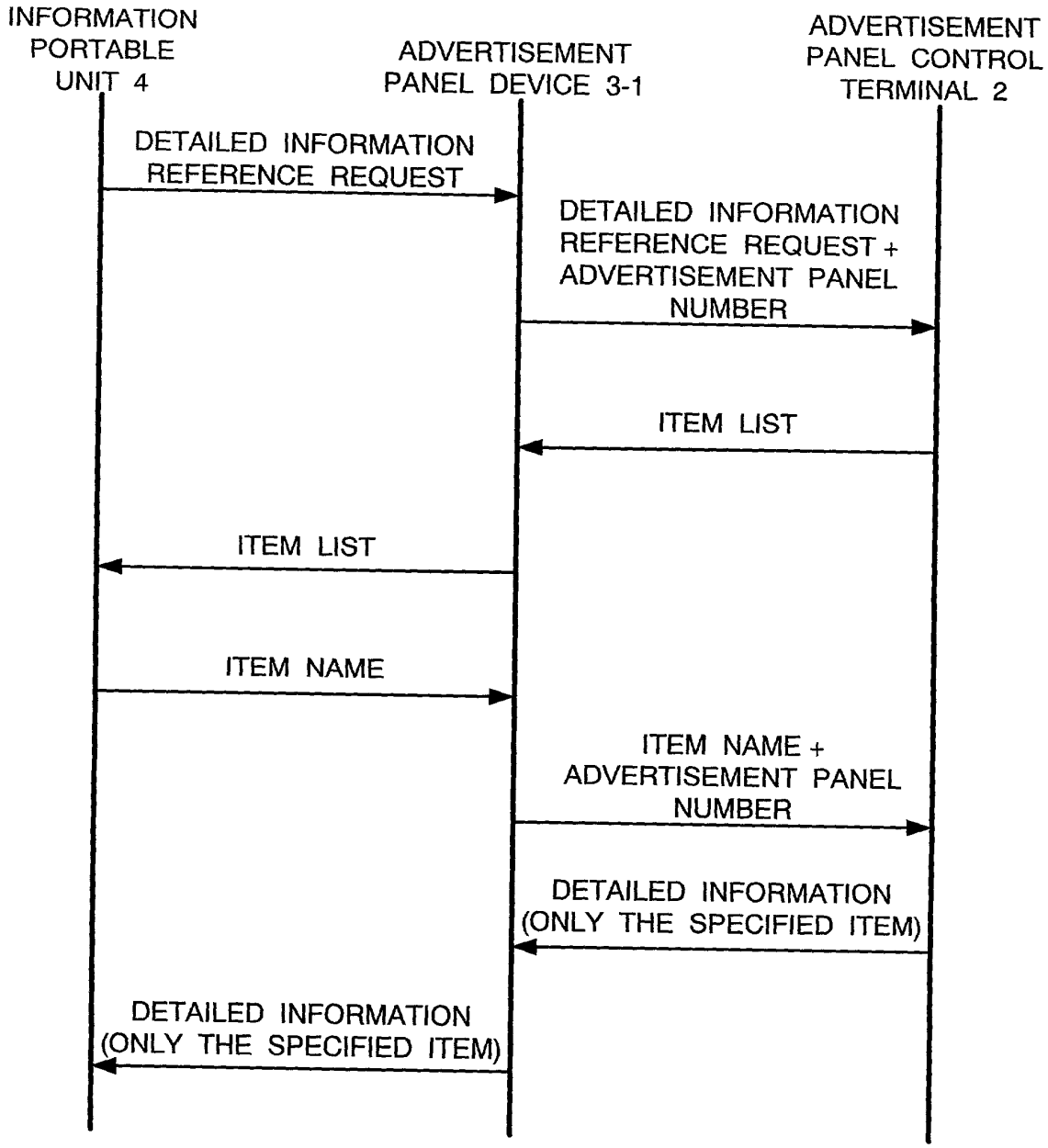
INFORMATION PORTABLE UNIT 4
ADVERTISEMENT PANEL DEVICE 3-1
ADVERTISEMENT PANEL CONTROL TERMINAL 2
DETAILED INFORMATION REFERENCE REQUEST
DETAILED INFORMATION REFERENCE REQUEST + ADVERTISEMENT PANEL NUMBER
ITEM LIST
ITEM LIST
ITEM NAME
ITEM NAME + ADVERTISEMENT PANEL NUMBER
DETAILED INFORMATION (ONLY THE SPECIFIED ITEM)
DETAILED INFORMATION (ONLY THE SPECIFIED ITEM)

FIG.10

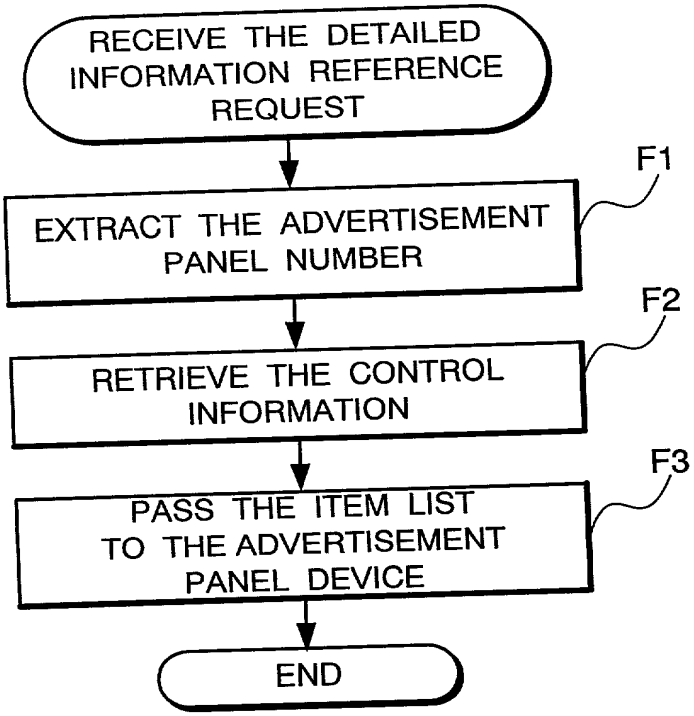
RECEIVE THE DETAILED INFORMATION REFERENCE REQUEST
F1
EXTRACT THE ADVERTISEMENT PANEL NUMBER
F2
RETRIEVE THE CONTROL INFORMATION
F3
PASS THE ITEM LIST TO THE ADVERTISEMENT PANEL DEVICE
END

FIG.11

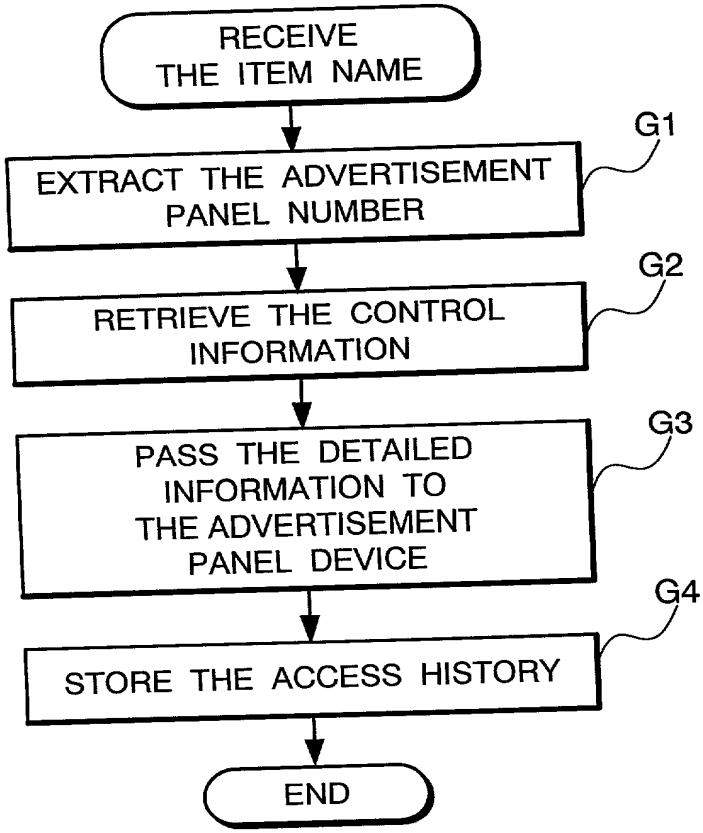
RECEIVE THE ITEM NAME
G1
EXTRACT THE ADVERTISEMENT PANEL NUMBER
G2
RETRIEVE THE CONTROL INFORMATION
G3
PASS THE DETAILED INFORMATION TO THE ADVERTISEMENT PANEL DEVICE
G4
STORE THE ACCESS HISTORY
END

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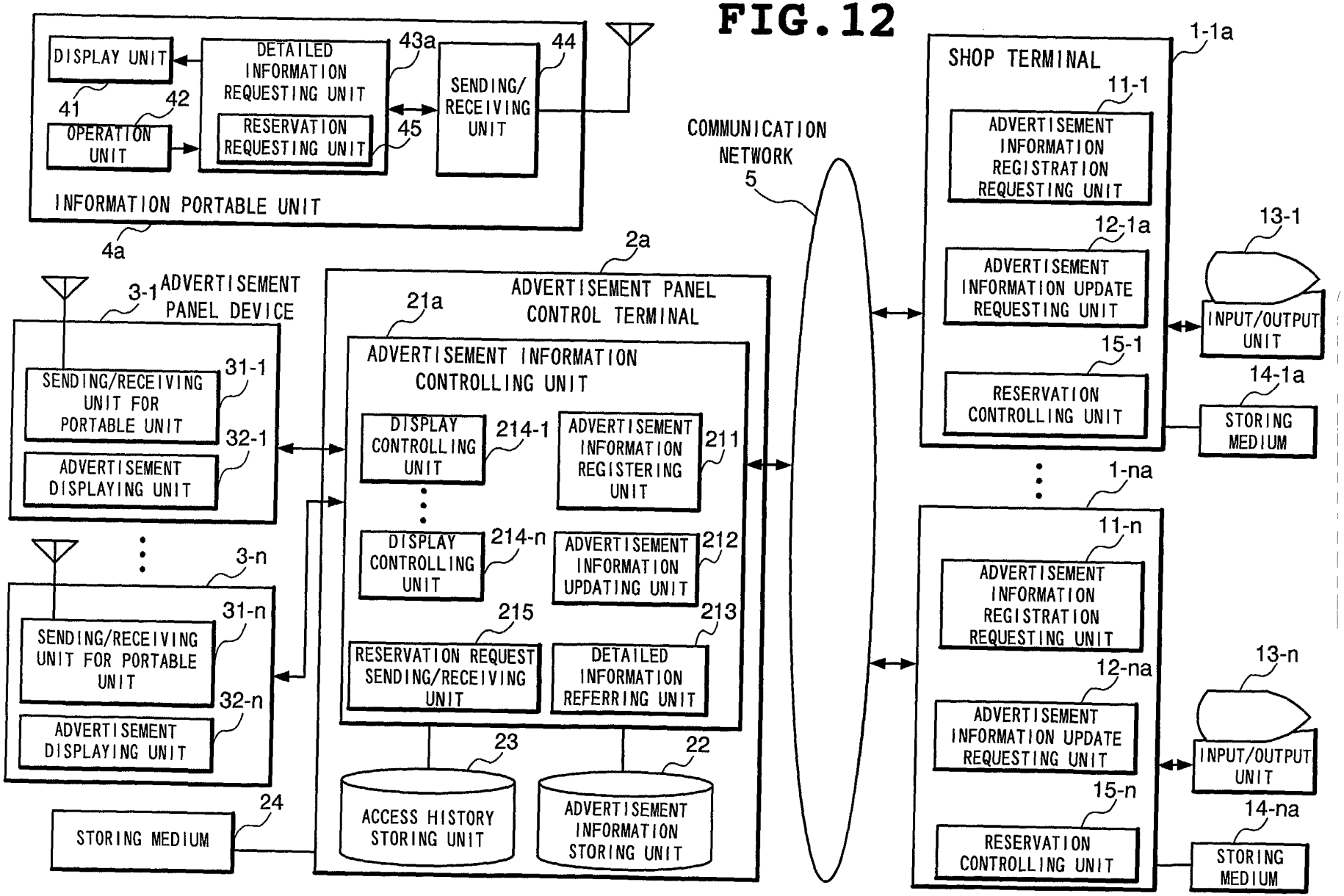
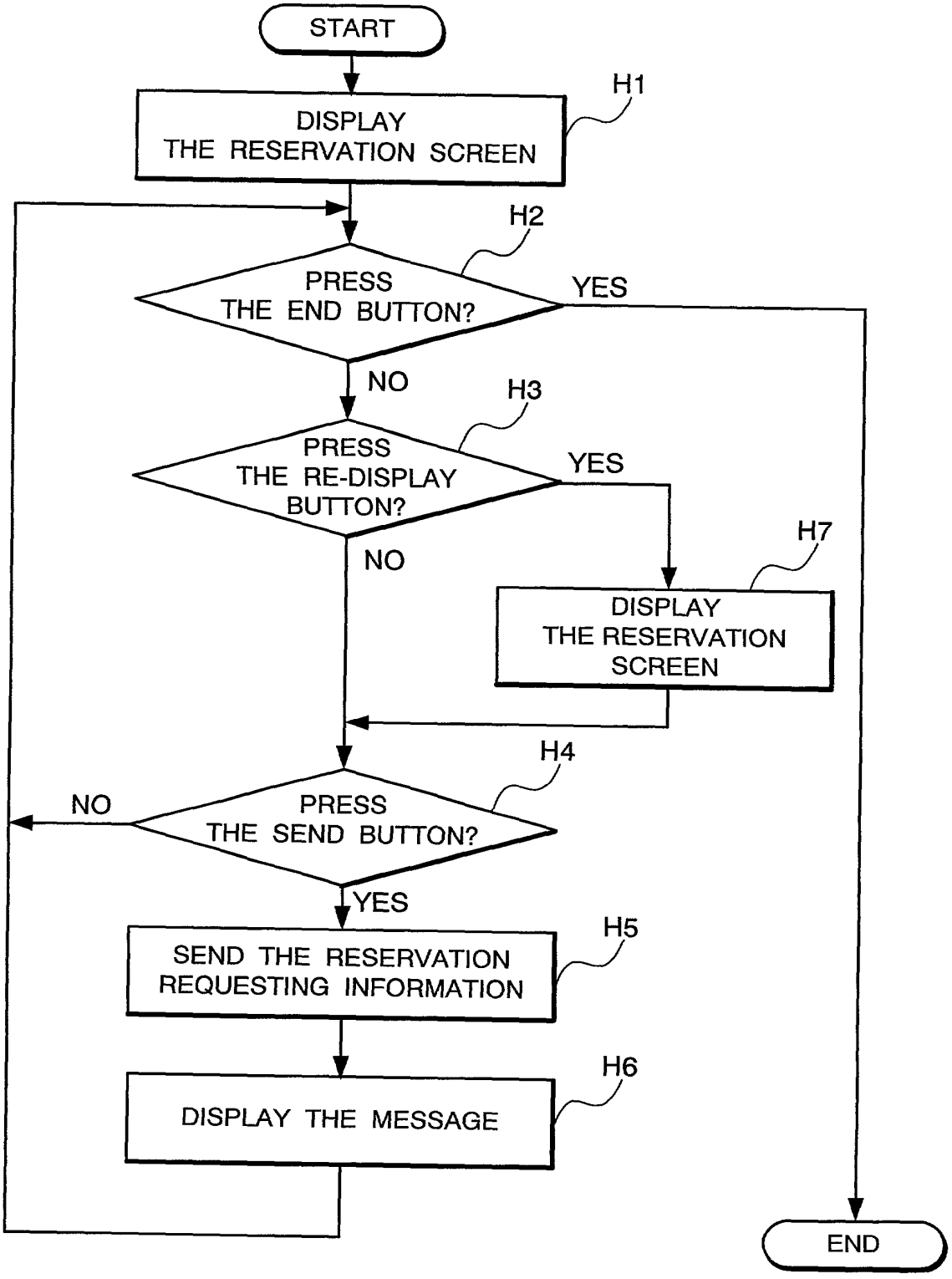
FIG.12



Title: SHOP INFORMATION ADVERTISEMENT PANEL SYSTEM AND SHOP INFORMATION ADVERTISEMENT METHOD
Inventor(s): Shinichi SUWABE
DOCKET NO.: 040405/0337

FIG.13


START
H1
DISPLAY
THE RESERVATION SCREEN
H2
PRESS
THE END BUTTON?
YES
NO
H3
PRESS
THE RE-DISPLAY
BUTTON?
YES
NO
H7
DISPLAY
THE RESERVATION
SCREEN
H4
NO
PRESS
THE SEND BUTTON?
YES
H5
SEND THE RESERVATION
REQUESTING INFORMATION
H6
DISPLAY THE MESSAGE
END

Title: SHOP INFORMATION ADVERTISEMENT PANEL SYSTEM AND SHOP INFORMATION ADVERTISEMENT METHOD
Inventor(s): Shinichi SUWABE
DOCKET NO.: 040405/0337

FIG.14

RESTAURANT A　　RESERVATION STATE DISPLAY　〈AT 17:20 ON MARCH 20〉

3/31 (FRIDAY)	STATE	VACANCY	INPUT COLUMN OF THE RESERVATION INDISPENSABLE ITEMS		
			NAME	NUMBER OF PEOPLE	TEL
17:00 - 19:00	FULL	0	×	×	×
19:00 - 21:00	VACANCY	10	YAMADA	4	00-XXXX-△△△△
21:00 - 23:00	FULL	0	×	×	×

4/1 (SATUADAY)

MESSAGE DISPLAY COLUMN

END　SEND　RE-DISPLAY

FIG.15

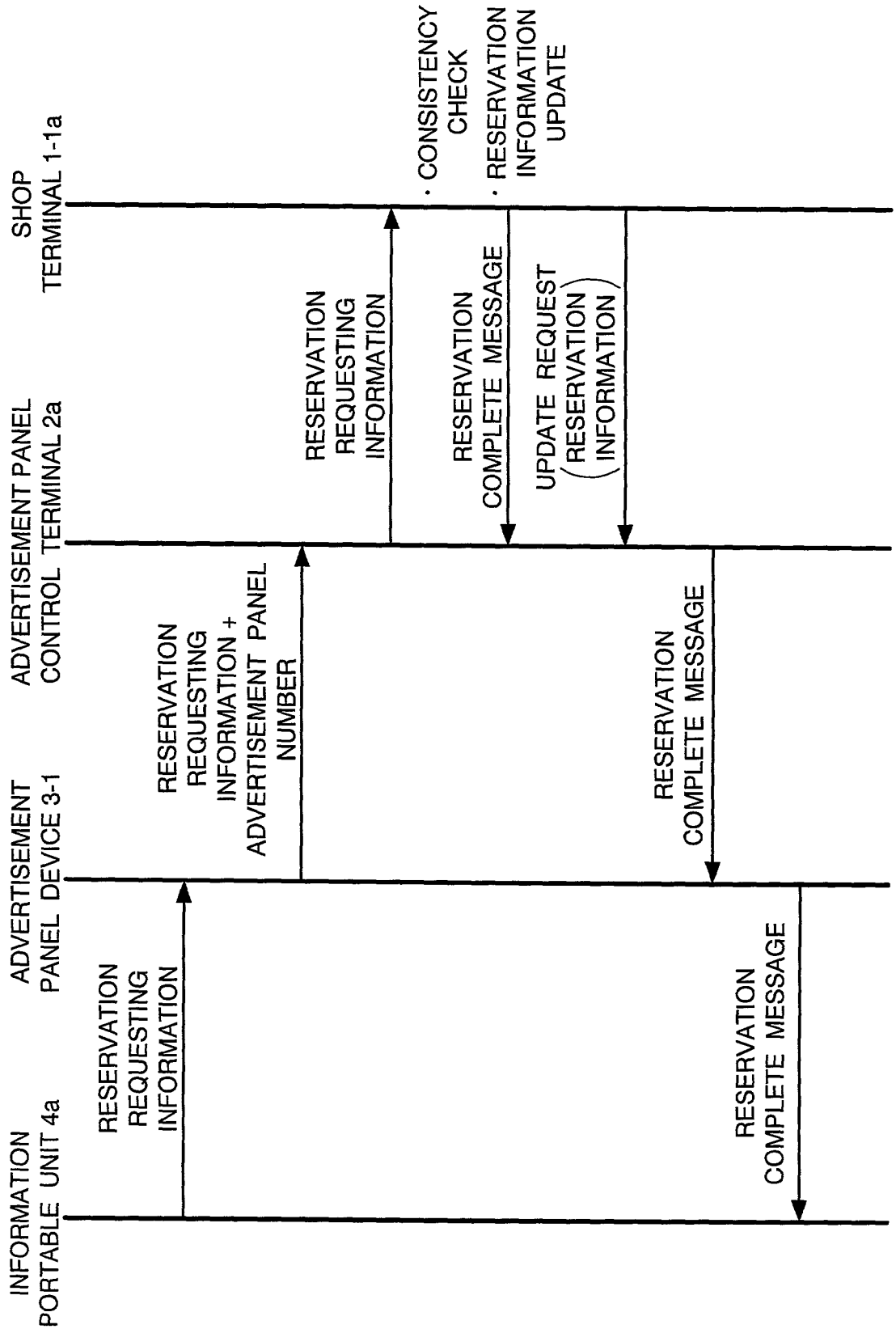
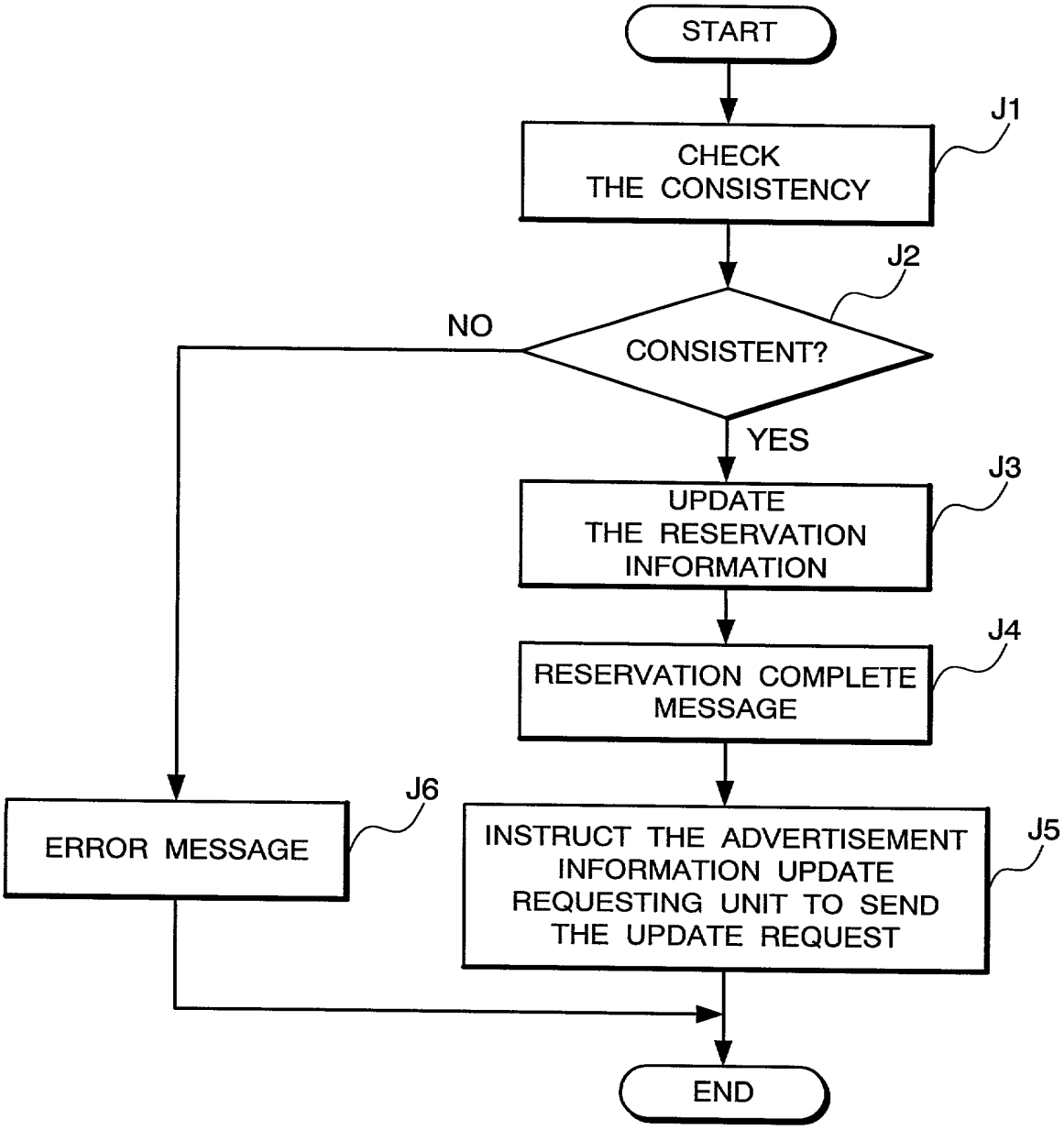

INFORMATION PORTABLE UNIT 4a
ADVERTISEMENT PANEL DEVICE 3-1
ADVERTISEMENT CONTROL TERMINAL 2a
SHOP TERMINAL 1-1a
RESERVATION REQUESTING INFORMATION
RESERVATION REQUESTING INFORMATION + ADVERTISEMENT PANEL NUMBER
RESERVATION REQUESTING INFORMATION
· CONSISTENCY CHECK
· RESERVATION INFORMATION UPDATE
RESERVATION COMPLETE MESSAGE
UPDATE REQUEST (RESERVATION INFORMATION)
RESERVATION COMPLETE MESSAGE
RESERVATION COMPLETE MESSAGE

FIG.16


START
J1
CHECK
THE CONSISTENCY
J2
NO
CONSISTENT?
YES
J3
UPDATE
THE RESERVATION
INFORMATION
J4
RESERVATION COMPLETE
MESSAGE
J6
ERROR MESSAGE
INSTRUCT THE ADVERTISEMENT
INFORMATION UPDATE
REQUESTING UNIT TO SEND
THE UPDATE REQUEST
J5
END